



DEQ 101

SOLID AND HAZARDOUS WASTE



Dennis Downs,
Director

OUR MISSION

Ensure
proper management
of solid and hazardous
waste



DEQ 101

Solid & Hazardous Waste

STATUTORY AUTHORITIES

- ✓ Utah Solid and Hazardous Waste Act
- ✓ Used Oil Management Act
- ✓ Waste Tire Recycling Act
- ✓ Lead Acid Battery Disposal Act



DEQ 101

Solid & Hazardous Waste

PROGRAM AUTHORIZATION

EPA can authorize a state to administer solid & hazardous waste program

Authorization allows a state to administer in lieu of EPA



DEQ 101

Solid & Hazardous Waste

PROGRAM AUTHORIZATION

State must have and demonstrate equivalent authority and requirements

State must have adequate resources to perform program functions

Utah was authorized in October 1984



DEQ 101

Solid & Hazardous Waste

SOURCES OF FUNDING

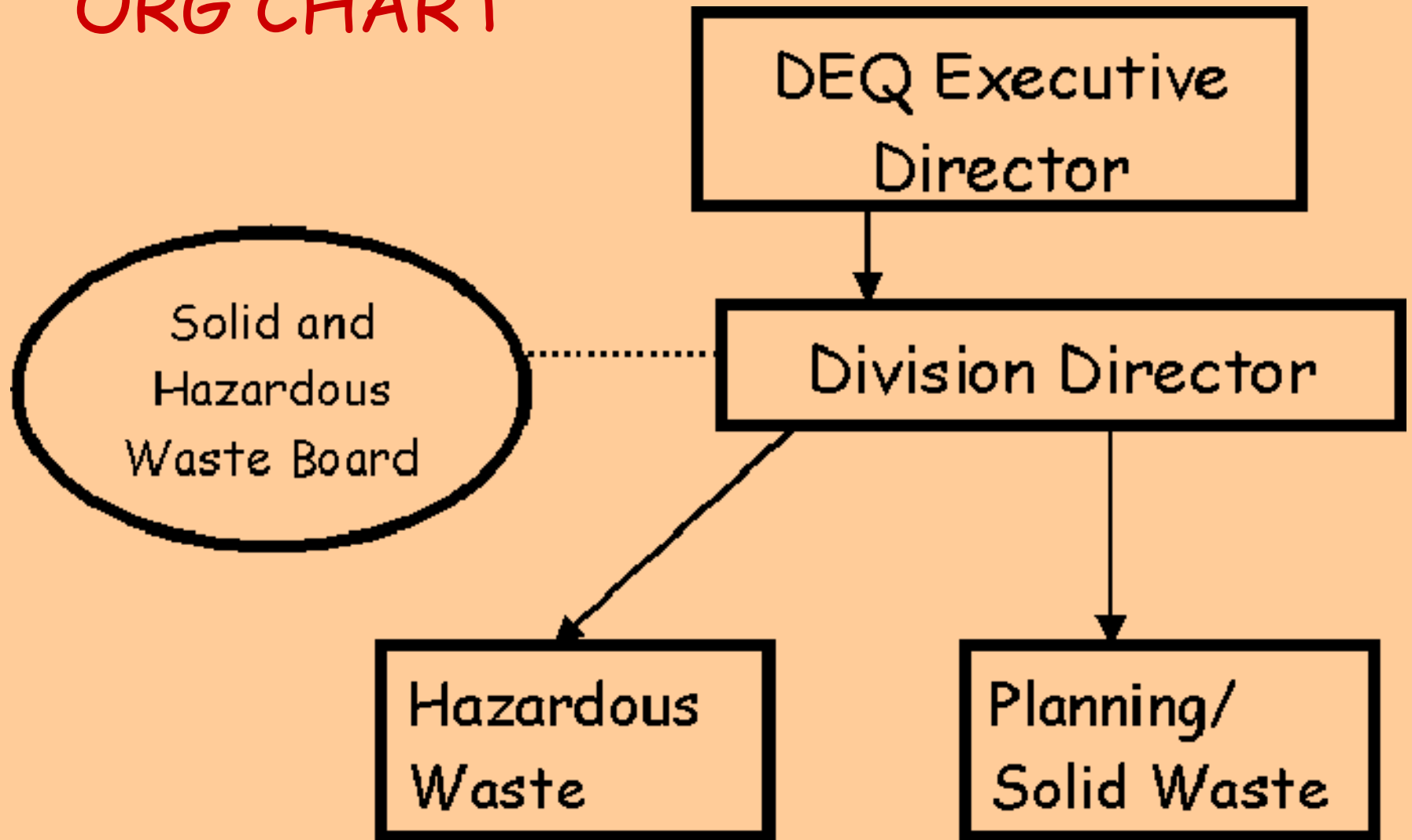
- Solid and Hazardous Waste Disposal Fees
Hazardous Waste, Mixed Waste, Solid Waste (Industrial, municipal), PCBs
- Fees for Services (Billable Hours)
- RCRA Grant
- State/DOD Cooperative Agreement



DEQ 101

Solid & Hazardous Waste

DIVISION ORG CHART



HAZARDOUS WASTE BRANCH

Commercial/Federal Facilities Section

Chemical Demilitarization Section

Hazardous Waste Facilities Section

Hazardous Waste Management Section



DEQ 101

Solid & Hazardous Waste

HAZARDOUS WASTE BRANCH

Organized by facility type not by function

All do permitting, compliance/enforcement
and corrective action



DEQ 101

Solid & Hazardous Waste

HAZARDOUS WASTE UNIVERSE

1,898 Hazardous Waste Generators

97 Large Quantity Generators

1079 Small Quantity Generators

722 Conditionally-exempt SQG

21 Hazardous Waste Transporters

47 Hazardous Waste Treatment, Storage, &
Disposal Facilities (TSDFs)



DEQ 101

Solid & Hazardous Waste

HAZARDOUS WASTE UNIVERSE

Large Quantity Generators

Oil Refineries, Military Facilities, Defense Contractors, Steel Mills, Chemical/Electronic Manufacturers, etc.

Small Quantity Generators

Automotive Repair, Dry Cleaners, Small Manufactures, etc.

Hazardous Waste Transporters

Hazardous Waste Treatment, Storage, and Disposal Facilities (permit required)



DEQ 101

Solid & Hazardous Waste

COMMERCIAL/FEDERAL FACILITIES SECTION

Commercial Hazardous Waste Treatment, Storage
and Disposal Facilities

Clean Harbors (Aragonite, Grassy Mountain)

Envirocare

Safety Kleen

Military installations (non-chemical warfare
agents)

Hill Air Force Base

Utah Test and Training Range

Tooele Army Depot



DEQ 101

Solid & Hazardous Waste

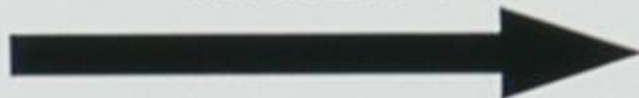





CleanHarbors®

ENVIRONMENTAL SERVICES, INC.

**GRASSY MOUNTAIN
FACILITY**





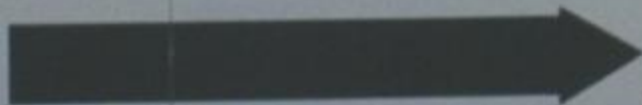


Welcome To
ENVIRO CARE
OF UTAH, INC.

SOUTH CLIVE SITE

**ADMINISTRATION OFFICE AND
OPERATIONS BUILDING**

1 MILE





CHEMICAL DEMILITARIZATION SECTION

Military installations dealing with research, testing, treatment, storage and destruction of chemical nerve agents and related weapons systems:

Deseret Chemical Depot

TOCDF

Area 10

CAMDS

Dugway Proving Ground



DEQ 101

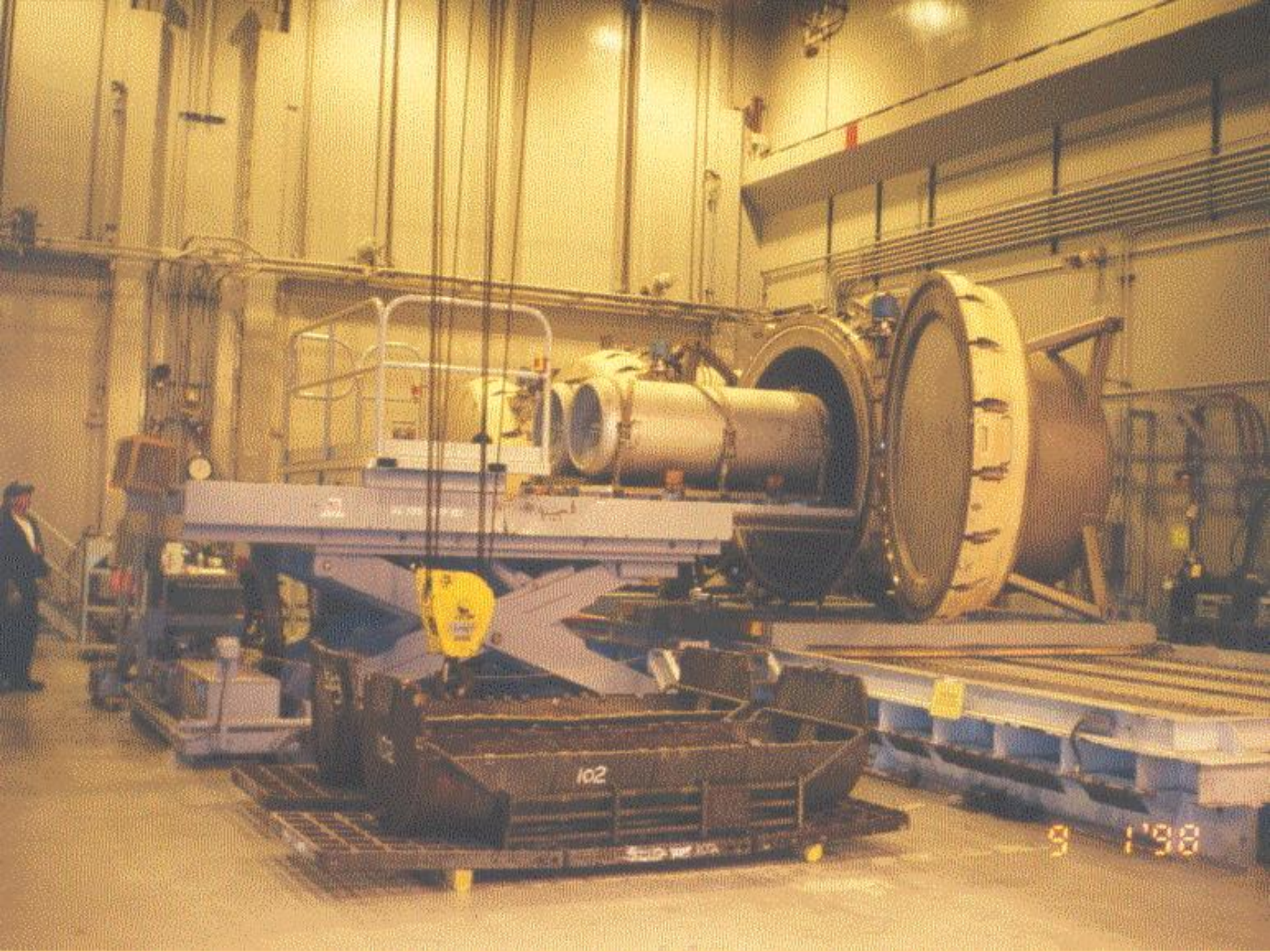
Solid & Hazardous Waste



215

9 17'98





9 1'98

HAZARDOUS WASTE FACILITIES SECTION

Non-commercial treatment, storage and disposal facilities

- Dyno Nobel
- ATK Thiokol Propulsion/Bacchus Facility
- Ensign Bickford
- Western Zirconium
- Englehard



DEQ 101

Solid & Hazardous Waste



HAZARDOUS WASTE MANAGEMENT SECTION

Petroleum Refineries

Large Quantity Generators

Small Quantity

Conditionally Exempt Generators

Compliance Assistance Program



DEQ 101

Solid & Hazardous Waste

SOLID WASTE BRANCH

Solid Waste Section - Used Oil Section

Regulation Development

Program Authorization

Legislation

Planning

Program Development

EPA Agreements (PPA, MOA)



DEQ 101

Solid & Hazardous Waste

SOLID WASTE SECTION

Municipal Landfills

Municipal Waste-to-Energy Facility

Industrial (nonhazardous) Solid Waste
Landfills



DEQ 101

Solid & Hazardous Waste

SOLID WASTE SECTION

Commercial Solid Waste Facilities

Waste Tire Recycling Program

Other Solid Waste Operations

Land Application

Transfer Facilities

Composting



DEQ 101

Solid & Hazardous Waste

ECDC Commercial SW Landfill

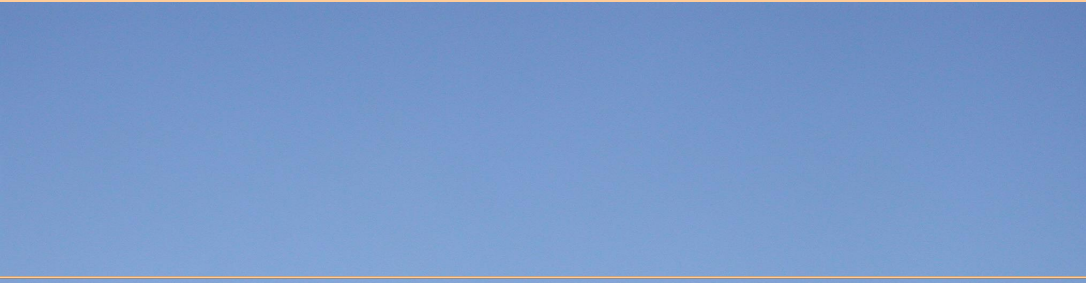
Carbon County, Utah



ECDC Commercial SW Landfill



ECDC Commercial SW Landfill



Wasatch Energy MSW Landfill



Wasatch Energy MSW Landfill



WASTE TIRE RECYCLING PROGRAM

Act creating the waste tire recycling program
passed by the Utah legislature in 1990

Program is to recycle Utah waste tires



DEQ 101

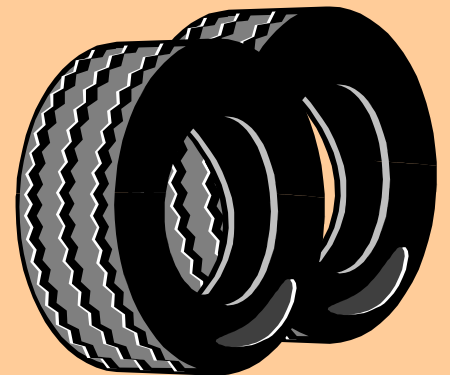
Solid & Hazardous Waste

WASTE TIRE RECYCLING PROGRAM

Develop the waste tire recycling industry

Minimize the landfilling of waste tires

Remove waste tire piles



DEQ 101

Solid & Hazardous Waste

WASTE TIRE RECYCLING PROGRAM

Disposal restrictions

Recycling fee

Transporter and recycler registration

Recycling reimbursement

Waste tire pile cleanup



DEQ 101

Solid & Hazardous Waste

USED OIL SECTION

Used Oil Management Sites

- Processors / Re-refiners
- Transporters
- Generators

Collection Centers

- DIYer Collection Centers
- Used Oil Steering Committees

Used Oil Grants



DEQ 101

Solid & Hazardous Waste

USED OIL SECTION

Used oil collection, transportation, marketing, blending, etc.

Used Oil Recycling Outreach

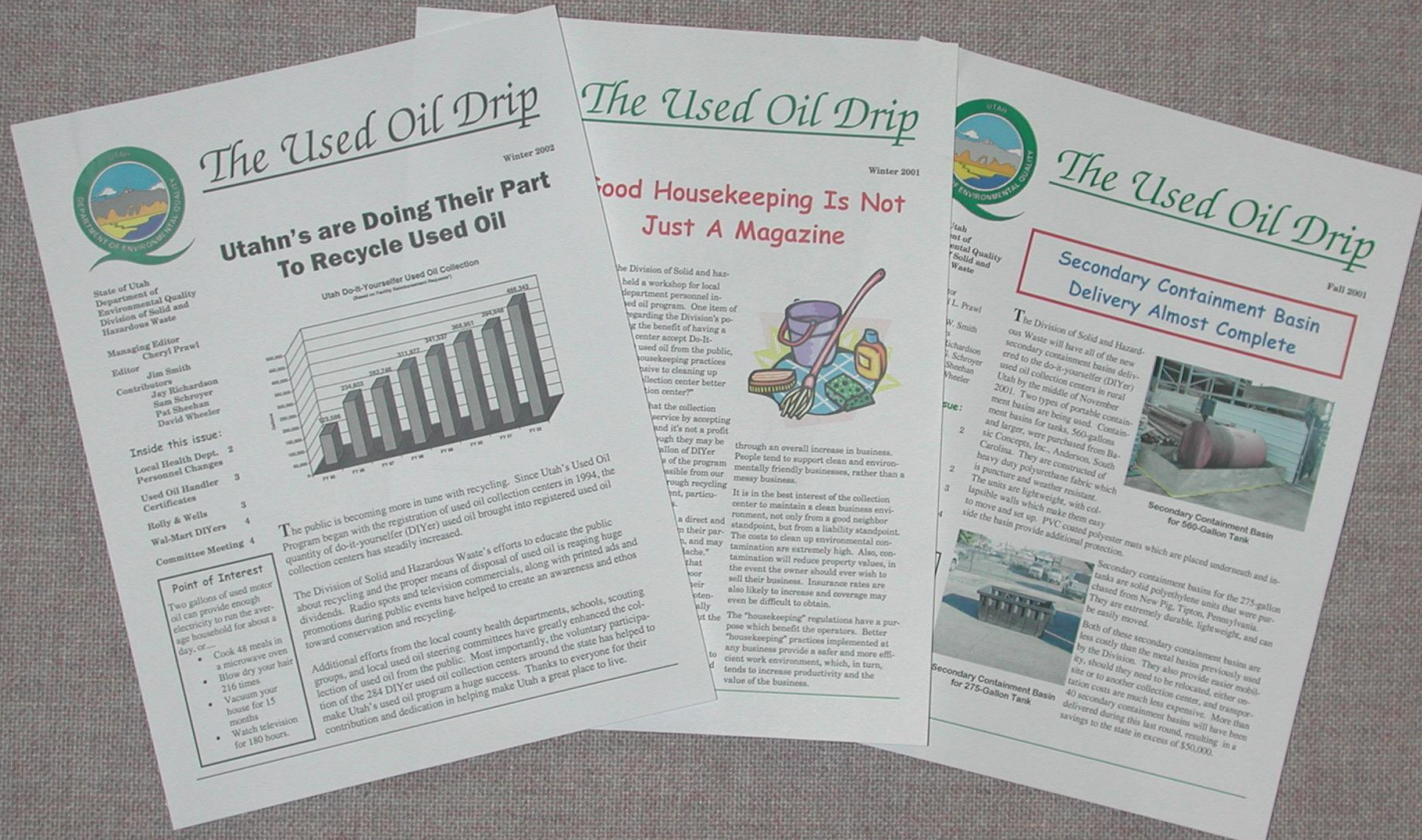
Hazardous Waste Biennial Reports



DEQ 101

Solid & Hazardous Waste

USED OIL OUTREACH



USED OIL OUTREACH



FOR MORE INFORMATION

www.hazardouswaste.utah.gov